IN THE CLAIMS

Listing of Claims:

Claim 1 (currently amended): A method for creating an XML document for publishing using object dependency graph comprising:

defining an XML document based upon one or more reusable content objects, whereby at least one of the content objects includes at least one relationship with another content object and the relationship has been identified with at least one object dependency graph that identifies object dependency across multiple content objects using one or more edges denoting relationships between one or more of the content objects so as to provide synchronization of content fragments across the content objects;

building the XML document so as to form to an aggregate XML document which represents a self-contained accumulation of the one or more content objects in accordance with the at least one relationship; and

invoking an XSL transformation engine to produce one or more viewable output pages.

Claim 2 (currently amended): The method according to claim 1, wherein the ~~step of invoking an XSL transformation engine includes invoking an XSL transformation engine to produce viewable output pages in HTML~~ relationships are defined by at least one of:

a hypertext link from a first object to at least a second object; and

at least one embedded content fragment common to two or more content objects.

Claim 3 (currently amended): The method according to claim 1, wherein the ~~step of~~ defining an XML document based upon one or more reusable content objects includes defining an XML document based upon one or more content objects comprising at least one ~~of fragment or~~ servable.

Claim 4 (currently amended): The method according to claim 3, wherein the ~~step of~~ defining an XML document based upon one or more content objects comprising at least one content [[of]] fragment which is a self-contained fragment.

Claim 5 (currently amended): The method according to claim 3, wherein the ~~step of~~ defining an XML document based upon one or more content objects comprising at least one content [[of]] fragment which is a compound fragment.

Claim 6 (currently amended): The method according to claim 3, further comprising: ~~the step of~~ publishing the one or more viewable output pages.

Claim 7 (currently amended): The method according to claim 6, wherein in the ~~step of~~ publishing includes at least one of:

publishing the one or more viewable output pages as Web pages; and [[or]]

publishing the one or more viewable output pages to other media or devices.

Claim 8 (currently amended): The method according to claim 1, wherein the ~~step of~~ defining an XML document based on one or more reusable content objects comprises defining an XML document based on ~~comprising~~ one or more fragments including compound objects and further ~~comprising includes the sub-steps of~~ comprising:

partitioning at least some of the content ~~fragment of the plurality of~~ fragments into a plurality of ~~group~~ groups such that if two compound ~~fragements~~ fragments are constructed from at least one common changed fragment, then the compound fragments are placed in a same group; and

publishing all fragments belonging to a same group together.

Claim 9 (currently amended): A method for creating an XML document for publishing using object dependency graphs comprising:

identifying one or more content objects comprising servables and fragments for constructing a web page based on input received from one or more of the following:

(i) information analysis and modeling;

(ii) target audience analysis;

(iii) target device analysis; and;

(iv) workflow and role analysis;

creating one or more document templates that define the structure of the servables and of the fragments;

creating one or more stylesheets that determine the presentation and layout of the information in each servable for each target audience and each target device;

saving the document as a XML file and saving ~~save~~ meta information describing each of the servables and the fragments;

updating an object dependency graph that identifies object dependency across multiple content objects using one or more edges denoting relationships between one or more of the content objects so as to provide synchronization of the fragments across the content objects ~~based upon one or more reusable content objects, whereby at least one of the content objects includes at least one relationship with another content object and the relationship has been identified with at least one graph~~; and

building an XML document so as to form to an aggregate XML document which represents a self-contained accumulation of the one or more content objects in accordance with the at least one relationship.

Claim 10 (currently amended): The method according to claim 9, ~~further comprising the step of:~~

~~invoking an XSL transformation engine to produce one or more viewable output pages~~ wherein the relationships are defined by at least one of:

a hypertext link from a first object to at least a second object; and

at least one embedded fragment common to two or more content objects.

Claim 11 (currently amended): The method according to claim 10, wherein the ~~step of~~ invoking an XSL transformation engine includes ~~invoking~~ performing an edit to the viewable output pages ~~XSL transformation engine~~.

Claim 12 (currently amended): The method according to claim 9, wherein the ~~step of~~ creating one or more document templates that define the structure of the servables and of the fragments includes ~~the sub-steps of~~:

receiving a search request from a user for searching metadata information that describes preexisting servables and fragments that can be used in creating the document; and

receiving a selection from a user to include preexisting servable and fragments in the document based on the metadata searched.

Claim 13 (currently amended): The method according to claim 12, further comprising ~~the sub-step of~~:

receiving a user request to create a new document template; and

creating a blank form for holding one or more content objects.

Claim 14 (currently amended): The method according to claim 12, further comprising ~~the sub-steps of~~:

receiving a user request for edit a preexisting document template; and

retrieving a preexisting document according to the user request received.

Claim 15 (currently amended): The method according to claim 9, wherein the ~~step of~~ saving the document as a XML file and save meta information describing each of the servables and the fragments includes saving any attachments to the document.

Claim 16 (currently amended): The method according to claim 15, wherein the ~~step~~ saving the document includes saving any attachments to the document selected from the group of attachments ~~selected from the group of attachments~~ consisting of text files; video files, still images, stylesheets, and multimedia data.

Claim 17 (cancelled)

Claim 18 (cancelled)

Claim 19 (currently amended): A computer readable medium containing programming instructions for execution on an information processing system [[tor]] to create an XML document for publishing using object dependency graphs comprising the programming instructions for:

defining an XML document based upon one or more reusable content objects, whereby at least one of the content objects includes at least one relationship with another content object and the relationship has been identified with at least one graph that illustrates object dependency across multiple content objects using one or more edges denoting relationships between one or more of the content objects so as to provide synchronization of content fragments across the content objects;

building the XML document so as to form to an aggregate XML document which represents a self-contained accumulation of the one or more content objects in accordance with the at least one relationship; and

invoking an XSL transformation engine to produce one or more viewable output pages.

Claim 20 (currently amended): The computer readable medium according to claim 19, wherein the ~~programming instruction of invoking an XSL transformation engine includes invoking an XSL transformation engine to produce viewable output pages in HTML~~ relationships are defined by at least one of:

a hypertext link from a first object to at least a second object; and

at least one embedded content fragment common to two or more content objects.

Claim 21 (currently amended): The computer readable medium according to claim 19, wherein the programming instruction of defining an XML document based upon one or more reusable content objects includes defining an XML document based upon one or

more content objects comprising at least one ~~of fragment or~~ servable.

Claim 22 (currently amended): The computer readable medium according to claim 21, wherein the programming instruction of defining an XML document based upon one or more content objects comprising at least one [[of]] content fragment which is a self-contained fragment.

Claim 23 (currently amended): The computer readable medium according to claim 21, wherein the programming instruction of defining an XML document based upon one or more content objects comprising at least one [[of]] content fragment which is a compound fragment.

Claim 24 (currently amended): The computer readable medium according to claim 21, wherein the programming instruction includes [[of]] publishing the one or more viewable output pages.

Claim 25 (currently amended): The computer readable medium according to claim 24 [[25]], wherein the programming instruction of publishing includes at least one of:

publishing the one or more viewable output pages as Web pages; and [[or]]

publishing the one or more viewable output pages to other media or devices.

Claim 26 (currently amended): The computer readable medium according to claim 19, wherein the programming instruction of defining an XML document based on one or more reusable content objects further comprises ~~comprising one or more fragments including~~ compound objects and further comprising ~~includes the instructions of~~:

partitioning at least some of the content ~~fragment of the plurality of~~ fragments into a plurality of groups such that if two compound fragments ~~fragements~~ are constructed from at least one common changed fragment, then the compound fragments are placed in a same group; and

publishing all fragments belonging to a same group together.